

Title (en)  
Water-stabilized organosilane compounds and methods for using the same

Title (de)  
Wasser-stabilisierte Organosilane und Anwendungsverfahren

Title (fr)  
Organosilanes stables à l'eau et leurs procédés d'utilisation

Publication  
**EP 0877027 A3 19990901 (EN)**

Application  
**EP 98303600 A 19980507**

Priority  
US 85247497 A 19970507

Abstract (en)  
[origin: EP0877027A2] The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

IPC 1-7  
**C07F 7/18**; A61K 35/64; C07F 7/08; C08G 77/38

IPC 8 full level  
**C07B 63/04** (2006.01); **A01N 55/10** (2006.01); **C07F 7/08** (2006.01); **C07F 7/12** (2006.01); **C07F 7/18** (2006.01); **C07F 9/40** (2006.01)

CPC (source: EP US)  
**C07F 7/1804** (2013.01 - EP US)

Citation (search report)  
• [PX] WO 9741729 A1 19971113 - UNIV EMORY [US], et al  
• [DPX] WO 9742200 A1 19971113 - BIOSHIELD TECHNOLOGIES INC [US]  
• [X] US 4772593 A 19880920 - WHALEN JOSEPH W [US], et al  
• [A] CHEMICAL ABSTRACTS, vol. 88, no. 5, 30 January 1978, Columbus, Ohio, US; abstract no. 37959n, GUEYNE, C.H.J. ET AL.: "biologically active, water-soluble silanes" XP002108317 & BR 7604340 A 19770726 - GUEYNE C, et al

Cited by  
EP1583765A4; FR2783164A1; EP1155352A4; IT202000030179A1; US6953584B1; WO2013160442A2; WO2013160440A2; WO2013160363A2; US6953572B1; WO0056850A1; WO0122925A1; US6504583B2; WO2012055805A1; WO2012055806A1; WO2013160422A2; US6504582B1; WO2012055807A1; WO2012055811A1; EP1555990A1; US7595308B2; US7244420B1; WO2012055809A1; WO2012055812A1; US8273726B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0877027 A2 19981111**; **EP 0877027 A3 19990901**; AR 015647 A1 20010516; BR 9806344 A 20000411; CA 2236893 A1 19981107; IL 124316 A0 19981206; JP H10330383 A 19981215; NZ 330379 A 19980924; US 5954869 A 19990921; US 6120587 A 20000919; US 6469120 B1 20021022

DOCDB simple family (application)  
**EP 98303600 A 19980507**; AR P980102138 A 19980507; BR 9806344 A 19980507; CA 2236893 A 19980504; IL 12431698 A 19980504; JP 12511998 A 19980507; NZ 33037998 A 19980507; US 31557399 A 19990520; US 59049300 A 20000609; US 85247497 A 19970507